

Public Health Act, 1875.

REPORT

ON THE

SANITARY CONDITION

OF THE

Bradford-on-Avon Urban District

FOR THE YEAR 1905.

PRESENTED TO THE

Bradford-on-Avon Urban District Council

BY

W. JOHN A. ADYE,

*Medical Officer of Health of the Bradford-on-Avon Urban
Sanitary Authority.*



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Medical Officer's Annual Report.



MR. CHAIRMAN AND GENTLEMEN,

The **Death Rate** shows an increase of 10, and amounts to 58 or 14.2 per 1000 whereas in 1904 it was 12.0 or 48.

Among the tables at the end of the report is a new one, showing the ages in weeks and months of infants dying under 1 year of age and the cause of death; from this it will be seen that *seven* died during 1905, 3 of them being less than 7 days old and only 1 attaining 11 months. This total of 7 is below the average (9.7) for the past 10 years, and is 4 less than occurred in 1904. This wastage of life ought to be and could be decreased if only people would feed their infants properly, (1) by the mothers suckling their children, and when the mother's milk is not available by (2) using fresh cow's milk with water and *not* condensed milk, patent foods or baked flour; (3) by using bottles with only a nipple and no tube, which tube is never clean; (4) by making fresh food for each feeding, and (5) by remembering that these infants require plenty of fresh air, absolute cleanliness and *not* to be kept out till 11 and 12 at night.

During the working years of life, 15 to 65, there were 15 deaths, an increase of 6.

Over 65 years, 33 deaths occurred and of these, 15 were between 70 and 80, while 9 were over 80, one of them attaining the advanced age of 93, and the average age of the 33 equals 73.3.

Tubercular disease shows a decrease of 1, but Cancer has increased from 2 to 4.

I show in this small table the number of deaths from Tubercular disease and Cancer for the last 7 years.

	1899	1900	1901	1902	1903	1904	1905	Total.
Tubercular disease	4	3	3	2	4	3	2	21
Cancer	7	5	3	5	5	2	4	31

Average for the 7 years.

Tubercular disease	...	...	3
Cancer	...	...	4.3

The Quarterly Return of deaths for 1903-4 and 5 is as follows :—

	1903	1904	1905
1st Quarter	8	18	16
2nd „	15	12	16
3rd „	13	8	8
4th „	12	10	14
Totals	48	48	54

Six inquests were held, 2 from falls, 1 burns, 1 inanition, 1 convulsions, and 1 from blood-poisoning caused by the peck from a fowl.

Two deaths were uncertified, one resulting from Chronic Bronchitis and the other from old age.

Births.—There is an increase of 7 on last year but the number is 8.9 below the average for the past 10 years, thus 96 or 24.0 against 104.9 per 1000. There were 52 males and 44 females.

Two illegitimate children were born, an improvement on last year when there were 6.

The Quarterly Return for Births is as follows:—

	M.	F.	Total.
1st Quarter	12	13	= 25
2nd „	11	10	= 21
3rd „	12	10	= 22
4th „	17	11	= 28
	52	44	= 96

Infectious Disease.—For the last two years 4 has been the number of notifiable diseases, this year there have been 8, Erysipelas 3, and Scarlet Fever 5; 3 of these Scarlet Fever cases occurred in one house, the remaining 2 in different parts of the Town. There have been no epidemics necessitating closure of Schools. The Joint Isolation Hospital at Trowbridge is now open and will be of great service, had it been open earlier in the year we might in all probability have saved 2 cases of Scarlet Fever.

Although Phthisis is a voluntarily notifiable disease in this Urban area, I never receive a notification; Bristol has adopted Voluntary Notification and gives the following fees, 2/6 for each case notified by a private medical attendant unless previously notified by another practitioner when 1/- is paid. 1/- is paid for each change of address giving the new address.

I wish the Council would adopt the same scheme, it would cost in actual money a very small sum, but it might be the saving of more than one life and a vast deal of suffering; as by its adoption *change of address* would be known and the room or rooms disinfected where the patient had been living. This disease is known to be highly infectious, causing an unknown amount of misery and loss of life, at the very period when men and women are in their prime; and yet beyond Sanitaria, which

only take cases that are in the earliest stages, nothing is done either by the Government or by a large percentage of the Local Authorities to stop its ravages. If notification was made compulsory, I believe we should see a far larger decline in the death rate from this cause than we do; other diseases which do not claim nearly so many victims are compulsorily notifiable and this which is worse than any of them is left out. I say worse than any, as its beginning is so insidious in most cases, that other people contract it without the infectious person even knowing that he is suffering from the disease.

Scavenging.—This is done better and quicker than formerly, the work being finished every day by 1 p.m. The carts used have tilting covers.

Water Supply has been extended to Frankleigh and to 29 more houses. New pumps, gas engines, and gas producer plant have been added to the Pumping Station.

Sewage Disposal Works.—In August 1904, the bacteria beds collapsed. A new scheme is before the Local Government Board, by which the existing beds can be utilised as percolation beds for the treatment of the sewage.

The Schools.—These have been visited during the year. The British School in Mason's Lane has been ventilated and the Cloak Room much improved; the Play-ground is enlarged and a portion roofed over for the children in wet weather. The sanitary arrangements are on a par with those in other Schools.

A New Class Room has been erected at the Technical Schools and the surroundings of the building improved.

This year I have added a table showing the number of children attending the four Schools from which it will be seen that there are more infants than either boys or girls respectively.

Number on Books.

	Boys	Girls	Infants	Total.
Trinity	115	95	127	337
Christ Church	130	107	150	387
Mason's Lane (British)	25	56	52	133
Technical	33	22	—	55
Total	303	280	329	912

Average Attendance.

	Boys	Girls	Infants	Total.
Trinity	105.9	80.9	104	290.8
Christ Church	123	101.5	117	341.5
Mason's Lane (British)	23	53	33	109.0
Technical	29	20	—	49.0
Total	280.9	255.4	254	790.3

Factory and Workshops Act.—The end of this year saw the extinction of our oldest industry by the closure of Messrs. Applegate's Cloth Mill. The Rubber Firm of Messrs. George Spencer, Moulton, & Co., employing 180 men, 11 women, and 18 clerks, have built new sanitary arrangements, in their extension in the Lamb Factory, which are even better than those in the other part of the Mill. The Rug Factory in Church Street, employing an average of 70 hands is kept in a good sanitary condition. The rags used are new pieces of cloth so there is no danger of infection.

I have visited the eleven Bakehouses, and have found them clean; one small matter in construction was brought to the owner's notice and it will be rectified shortly.

I have visited the Slaughterhouses quarterly and found them in good condition; one of these cannot be called a Slaughterhouse properly, as it is merely a brick-paved and guttered yard where pigs are killed, and another has one pig killed in it per week.

The Printing Works have separate sanitary accommodation for the sexes.

No lists have been received of outworkers in the area ; with the exception of a few gloves and sacks no outwork is done.

I have received no complaints of any of the workshops, nor have I found any nuisance in those I have visited.

I have the honour to be,

MR. CHAIRMAN AND GENTLEMEN,

Your obedient servant,

W. JOHN A. ADYE.

TABLE I.

Vital Statistics of whole District during 1905 and
Previous Years.

BRADFORD-ON-AVON URBAN DISTRICT.

YEAR.	Populat'n estimated to Middle- of each Year.	BIRTHS.		Deaths under One Year of Age.		Deaths at all ages Total.		Deaths in Public Institutions.	Deaths of Non-residents registered in District.	Deaths of Residents regis- tered beyond District.	Deaths at all ages. Nett.	
		Number.	Rate.*	Number.	Rate per 1000 Births Registered.	Number.	Rate.*				Number.	Rate.*
1895	5111	105	21.0	13	2.3	66	13.1	..	..	..	66	13.1
1896	5173	116	23.1	12	2.2	54	10.2	..	..	..	54	10.2
1897	5214	104	20.4	14	2.4	63	12.3	..	..	..	63	12.3
1898	5252	103	20.3	11	2.1	67	13.2	..	..	..	67	13.2
1899	5294	123	24.3	7	1.2	79	15.4	..	..	..	79	15.4
1900	5309	86	17.1	12	2.2	71	14.1	..	..	..	71	14.1
1901	4512	110	27.2	9	2.1	64	16.0	..	..	12	76	19.0
1902	4558	92	23.0	5	1.1	46	11.2	..	..	6	52	13.0
1903	4600	121	30.1	3	0.75	48	12.0	..	..	9	57	14.1
1904	4641	89	22.1	11	2.3	48	12.0	..	..	3	51	12.3
Average for years 1895-1904	4966.4	104.9	22.8	9.7	1.8	60.6	12.9	..	..	..	63.6	13.6
1905	4683	96	24.0	7	1.3	54	13.2	..	..	4	58	14.2

* Rates Calculated at per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water) 2,005

Total Population of all Ages	4512	} At Census of 1901
Number of Inhabited Houses	..	..	..	1120
Average Number of Persons per House	..	..	..	3.1

TABLE II.

Vital Statistics of Separate Localities in 1905 and
Previous Years.

BRADFORD-ON-AVON URBAN DISTRICT.

YEAR.			Population estimated to middle of each year.	Births Registered	Deaths at all ages.	Deaths under one year.
1895	..	..	5111	105	66	13
1896	..	..	5173	116	54	12
1897	..	..	5214	104	63	14
1898	..	..	5250	103	67	11
1899	..	..	5294	123	79	7
1900	..	..	5309	86	71	12
1901	..	..	4512	110	64	9
1902	..	..	4558	92	46	5
1903	..	..	4600	121	48	3
1904	..	..	4641	89	48	11
Averages of Years 1895 to 1904 ..			4966.4	104.9	60.6	9.7
1905	..	..	4683	96	58	7

TABLE III.

CASES OF INFECTIOUS DISEASE notified during
the Year 1905.

BRADFORD-ON-AVON URBAN DISTRICT.

NOTIFIABLE DISEASE.	Cases notified in Whole District.					
	At all Ages.	1 to 5.	5 to 15.	15 to 25	25 to 65	65 and upwards.
Erysipelas	3	..	..	..	2	1
Scarlet Fever	5	2	1	1	1	..
TOTALS	8	2	1	1	3	1

TABLE IV.
CAUSES OF, AND AGES AT DEATH,
DURING YEAR 1904.

BRADFORD-ON-AVON URBAN DISTRICT.

CAUSES OF DEATH.	Deaths in whole Districts at subjoined Ages.					
	All ages	Under 1 year	1 and under 5	15 and under 25	25 and under 65	65 and upwards
Epidemic Influenza ..	1	..	1	..	..	..
Diarrhoea	3	1	1	..	..	1
Enteritis	1	..	..	..	1	..
Other Septic Diseases ..	1	..	..	..	..	1
Phthisis	2	..	..	1	1	..
Cancer, Malignant Disease	4	..	..	..	1	3
Bronchitis	8	2	1	..	1	4
Pneumonia	1	..	..	..	..	1
Other Diseases of the Respiratory Organs	1	..	..	..	1	..
Alcoholism	1	..	..	..	1	..
Cirrhosis of Liver }						
Premature Birth ..	3	3	..	..	..	..
Heart Diseases ..	8	..	..	..	2	6
Accidents	3	..	..	..	..	3
Old Age	5	..	..	..	..	5
Bladder and Kidney ..	3	..	..	..	..	3
Nerve and Brain ..	8	1	..	..	2	5
Diabetes Mellitus ..	2	..	..	..	2	..
All other causes ..	3	..	..	..	2	1
All causes ..	58	7	3	1	14	33

TABLE V.

INFANTILE MORTALITY during the Year 1905.

Deaths from stated Causes in Weeks and Months
under One Year of Age.

BRADFORD-ON-AVON URBAN DISTRICT.

CAUSE OF DEATH.	Under 1 Week	Total under 1 Month	5-6 Months	6-7 Months	8-9 Months	11-12 Months	Total D'ths under One Year.
All Causes—Certified ..	7	..	..	..	..	..	7
Gastritis, Gastro-intestinal Catarrh .. ..	..	..	1	..	..	..	1
Atrophy, Debility, Marasmus	2	2	..	1	..	..	3
Convulsions	1	1	..	..	..	..	1
Bronchitis .. ..	..	..	..	..	1	1	2
	3	3	1	1	1	1	7

District (or sub-division) of Bradford-on-Avon Urban.

Population.

Estimated to middle of 1905,

Births in the year { legitimate 89.
 illegitimate 7.

4683.

Deaths from all causes at all ages 58.

FACTORY AND WORKSHOP ACT, 1901.

ANNUAL REPORT OF MEDICAL OFFICER OF HEALTH.

REPORT of the Medical Officer of Health on the Administration of the Act in the Urban Sanitary District of Bradford-on-Avon during the year 1905.

(A) Classification and Inspection.

Total No. of Workshops in the District, as per Register—No Register.

Including	{	....Tenement Workshops.	Not in-cluding	{	....Domestic Factories.
		....Domestic Workshops.			....Workplaces.
		....Retail Bakehouses.			
		....Laundries.			
		....Other Workshops.			

Total No. of visits of inspection made during 1905, (a) by M.O.H.—24;
(b) By Sanitary Inspector—7.

Note as to the chief Workshop industries in the District—Carpenters.

(B) Sanitation.	Workshops.	Domestic Factories and Domestic Workshops.	Workplaces.
Cleanliness—General condition ..	Fair	Fair	Fair
„ No. of Notices served under P.H. Acts	None	None	None
„ No. of Notices to cleanse, under Sec. 2	None	None	None
„ Legal Proceedings ..	None	None	None
Air Space—General condition ..	Good	Good	Good
„ No. of Notices to abate overcrowding	None	None	None
„ No. of Notices to affix card Sec. 3 (4)	None	None	None
„ Legal Proceedings ..	None	None	None
Ventilation—General condition ..	Good	Good	Good
„ No. of Notices under P.H. Acts	None	None	None
„ Legal Proceedings ..	None	None	None
Means of Ventilation—Any action under the new powers of Sec. 7	None		
Drainage of Wet Floors—Action under Sec. 8 ..	None		

(C) Additional Sanitation for “Retail Bakehouses,” Secs. 97 to 102.

No. of such Premises in the District—11.

Note as to their general sanitary condition—Very good.

Action taken as to Retail Bakehouses during 1905.

	No. of defects found.	Notices served.	Legal Proceedings.	Defects remedied	Remarks.
As to closets, &c., s. 97 ..	None	None	None	None	
As to water cisterns, s. 97 ..	None	None	None	None	
As to drain openings, s. 97	One	One	None	One	
As to limewashing, &c., s. 99	None	None	None	None	
As to sleeping places, s. 100	None	None	None	None	

Any proceedings under Sec. 98 as to retail bakehouses sanitarily unfit—None
Result

(Ca) Underground Bakehouses.

No. of such Premises in District—None.

No. certified by District Council under Sec. 101 (2)—None

(D) Sanitary Conveniences. (*Only to be reported on in places where Section 22 of the P.H.A.A. is in force*).

Date of adoption of Sec. 22 of the Public Health Acts Amendment Act, 1890—

No. of defects discovered thereunder in factories or workshops during 1905

(a) Closets insufficient or unsuitable—None.

(b) Closets not separate for sexes—None.

No. of Notices issued under the section during 1905—None.

(E) Safety from Fire. (*Not to be reported on by M.O.H.*)

(F) Home Work. Sections 107 to 115.

Total No. of Lists of Outworkers received during 1905—None.

Representing { Employers.
..... Contractors.
..... Outworkers.

Classification of Lists received:—

	No. of Lists received to Dec. 31, 1905	Total No. of such Employers or Contractors.	Total No. of such Outworkers in the District.	Remarks.
<i>Outwork in connection with:</i>				
Wearing apparel				
Glove making				
.....				
.....				
.....				
.....				

Outworkers' premises—No. inspected

No. found unwholesome

Action as to unwholesome premises

Any prohibition as to infected houses (s. 110)

(G) General.

No. and nature of sanitary defects reported to the Authority by
H.M. Inspectors, during 1905 } None.

Action taken in consequence

No. of infringements reported by Sanitary Authority to H.M.
Inspector (*e.g.*, s. 133) } None.

General Observations.

Signature, W. JOHN A. ADYE.

Date, February 20th, 1906.

TABLE C.

Supplementary Table for Annual Report.

URBAN SANITARY DISTRICT OF BRADFORD-ON-AVON.

Medical Officer of Health	..	..	..	W. JOHN A. ADYE.
Date of Last Appointment	..	..	..	July, 1904
Term of Appointment	..	..	..	Triennial
Sanitary Inspector	::	..	..	A. S. WOOTTON, Esq.,
Address	..	..	..	Town Hall Chambers, Bradford-on-Avon.

Special Reports presented during past year.	Subject.	Date.

WATER SUPPLY.

Any Extension or Change in past year?	Yes to Frankleigh
Portions of District inadequately supplied?	None
Is Section 6 of the Public Health (Water) Act, 1878, in all cases enforced in the District? ..	Yes
Has any action been taken under Section 3 of the same Act during the past year; if so, in how many instances?	Yes, in five instances

SEWERAGE AND SEWAGE DISPOSAL.

Extension and Improvements during past year	New sewers at the back of Wine Street and in the New Road
Any System of Treatment adopted?	One under consideration
Any inadequacy in any part? ..	Poulton, part of the Winsley Road and part of Woolley

EXCREMENT DISPOSAL.

Are Privies and Cess Pits cleansed by Sanitary Staff, by Contractors, or by Tenants?	The few left by Tenants
Is Scavenging undertaken by the District Council in any Parishes? if so, in which?	Yes in whole area
Is present arrangement satisfactory?	Greatly improved

ADOPTIVE ACTS.

					<i>Parts adopted and date</i>
Public Health (Amendment) Act					
1890	..	..	..	..	All, 1st June, 1896
Infectious Diseases (Prevention) Act					
1890	..	..	..	..	All, 31st March, 1902

BYE-LAWS.

Any adopted or sanctioned during past year? If so, please send a copy	For Tents, Vans, Sheds, and similar Structures used for Human Habitation
Are Bye-Laws properly enforced? ..	Yes
Are New Bye-Laws necessary? ..	Yes and are under consideration
For what purposes?	All purposes

DAIRIES AND COWSHEDS ORDERS.

Are Regulations Adopted? Please send a copy	Yes
Are they enforced?	Yes

REGULATED BUILDINGS, TRADES, &c.

	Number.		Are they inspected, and if so, by whom.	General Conditions	Legal Pro-ceeding (if any)
	Registered	Inspected			
Common Lodging Houses	1	1	Self and Inspector	Fair	
Houses let in Lodgings ..	1	1	"	"	
Canal Boats	—	—	—	—	
Slaughter Houses	5	5	Self and Inspector	Fair	
Bakehouses	11	11	"	Good	
Dairies	15	9	" "	Fair	
Cowsheds	18	9	"	"	
Milkshops	2	2	"	"	
Offensive Trade	—	—	—	—	

DEATH RETURNS.

What correction if any, is made for non-residents dying within the District?	None have occurred
Are any Returns obtained of deaths of residents occurring in Public Institutions (Workhouses, Hospitals, &c.) outside the District?	Yes

DEATHS.

Please state number of each sex ..	Males 25	Females 29
Number of uncertified deaths ..	Two	

BIRTHS.

Please state number of each sex ..	Males 52	Females 44
Number of illegitimate births ..	„ 3	„ 4

ISOLATION HOSPITAL.

Joint Isolation Hospital at Trowbridge.

Number of Beds	Male	Female
What Diseases are taken in? ..		
How many Diseases can be treated at the same time?		
Any and what charge to patients? ..		
Construction of Buildings—Brick, Stone, Wood, Iron, &c.		
Disinfecting Apparatus	Type of same	

DWELLINGS.

Number of Houses built during past year?	Seven
General character	Artisan and Villa
Any overcrowding of persons in houses?	One
Any overcrowding of houses in Area?	No
Any action taken under the Housing of the Working Classes Act, 1890	No
Any Houses closed as unfit for Habitation?	No

WHAT ACTION HAS BEEN TAKEN IN REGARD TO THE FOLLOWING MATTERS?

House to House Inspection	As far as possible in the poorer districts
Seizure of Unsound Food	One
River Pollution	No
Inspection of Factories and Workshops	All factories and some workshops
Prosecutions .. :	None

SCHOOLS.

Number in District	3 Public Elementary and 1 Technical
Number closed on account of outbreak of Disease	None
Total duration of closure from this cause	—

BURIAL GROUNDS.

Number in District	Two
Any need for extension	No

LOANS.

(If any) sanctioned by Local Government Board during past year ..	None
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RIVER POLLUTION.

Any action taken during the year? ..	No
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METEOROLOGY.

Are any observations taken in or near your District?	Yes
Please give name and address of observer	J. Beddoe, Esq., M.D., F.R.S., Ld'H. The Chantry, Bradford-on-Avon.

SANITARY REQUIREMENTS OF DISTRICT,
AND SUGGESTIONS OF MEDICAL OFFICER OF HEALTH.

Some Houses remain unconnected with the Sewers.

Administrative County of Wilts.

THE URBAN DISTRICT OF BRADFORD-ON-AVON.

Sanitary Inspector - - - A. S. WOOTTON

Address - - Town Hall Chambers, Bradford-on-Avon

Whether whole time devoted to duties of Sanitary Inspector or not? No.

Date of last Re-appointment: 11th September, 1905.

SUMMARY OF WORK DONE IN SANITARY INSPECTOR'S DEPARTMENT

During Year ending 31st December, 1905.

PREVENTION OF INFECTIOUS DISEASE

UNDER DIRECTION OF MEDICAL OFFICER OF HEALTH.

No. of Cases inquired into 	Seven
No. of Houses Disinfected and Cleansed	Seven
No. of Patients removed to Hospital ..	—
Lots of Bedding, Clothing, &c., Disinfected or Destroyed 	Seven
Cases of Illegal Exposure Reported ..	—

HOUSES.

No. erected (if information obtainable) ..	Seven
No. made fit for Habitation 	Three
No. Closed as unfit for Habitation ..	—
No. Cleansed and Limewashed 	—

OVERCROWDING.

No. of Cases Abated 	One
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HOUSE DRAINS.

No. Laid or Re-laid 	Eighteen
No. Cleansed, Trapped, and Ventilated	Eight
No. of Defective Waste Pipes Rectified	—
No. of Insanitary Lavatories, Sinks, and Urinals Rectified 	Nine
No. of Dumbwells Rectified 	—

WATER CLOSETS.

No. of Additional W.C.'s provided ..	Five
No. Repaired, Ventilated, and Supplied with Flush Cisterns	Thirteen

PRIVIES AND ASHPITS.

No. of Additional Privies and Ashpits provided	Two
No. Converted to W.C.'s or Slop-closets	—
No. Converted to Pail-closets	—
No. Repaired	—

SCAVENGING.

Total No. of Houses from which Refuse Removable by the Authority	All Houses in Urban District
Total No. of Privies and Ashpits Cleansed	Four
Total No. of Portable Receptacles Cleansed	—
Total No. of Loads of Ashes and Excrement Removed	—
Total No. of Loads of Ashes and Refuse Removed	One Thousand Five Hundred
No. of New Dust Receptacles provided ..	—

SMOKE NUISANCES.

No. Under Observation	Two
No. Abated	One Partially Remedied

OFFENSIVE TRADES.

No. Under Observation	—
No. Improperly Conducted	—

WATER SUPPLY.

No. of Wells Sunk	—
No. of Wells Cleansed and Repaired ..	One
No. of Wells Closed as Polluted ..	Six
No. of Houses Supplied from Waterworks (during year)	Twenty-nine
No. of Samples taken for Analysis ..	Nine

SLAUGHTER HOUSES.

No. Registered or Licensed	Five
No. Regularly Inspected	Five
No. Cleansed and Repaired	Five

DAIRIES AND COWSHEDS.

No. of Persons Engaged in Milk Trade now on Register and under Supervision	Fifteen Dairies and Eighteen Cowsheds
No. of Contravention of Acts, Orders, and Bye-laws dealt with	—
No. of Infected Milk Supplies Reported by the Inspector	—

FACTORIES AND WORKSHOPS AND BAKEHOUSES.

No. Under Inspection	Thirty
No. Certified for Limewashing by Inspector	—
No. of Insanitary Conditions dealt with as Nuisances	—
No. Employing "Young Persons, &c." Reported to Medical Officer of Health	One

LODGING HOUSES.

No. on Register	One
No. Regularly Inspected	One
No. Cleansed and Repaired	One

FOOD.

No. of Seizures as Unfit for Consumption	One
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ANIMALS KEPT SO AS TO BE A NUISANCE.

No. of Cases of Removal on Notice ..	One
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ACCUMULATION OF OFFENSIVE REFUSE.

No. of Removals	Three
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LEGAL PROCEEDINGS.

No. Taken	Two
No. of Convictions Obtained	Two
No. of Cases Withdrawn or Dismissed ..	—

CLERICAL WORK.

No. of Notices Served	Sixty-five
No. of Notices Complied with	Sixty-three
No. of Notices Outstanding	Two

A. S. WOOTTON,

Sanitary Inspector,

Bradford-on-Avon.

